

Form PTO-1449				U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. PC3-061	PRIORITY SERIAL NO. 09/966,158	
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Yuichi Iikubo, et al.				
				PRIORITY FILING DATE 9/28/2001		PRIORITY GROUP 1621		
U.S. PATENT DOCUMENTS								
*Examiner Initials		Document Number	Date	Name		Class	Subclass	Filing Date If Appropriate
<i>SP</i>	AA	2,494,064	01/50	Simons, et al.				
	AB	2,005,706	06/35	H.W. Daudt, et al.				
	AC	2,005,707	06/35	H.W. Daudt, et al.				
	AD	2,576,823	11/51	A.F. Benning, et al.				
	AE	2,697,124	12/54	R.M. Mantell, et al.				
	AF	2,900,423	08/59	L.B. Smith, et al.				
	AG	2,942,036	06/60	L.B. Smith, et al.				
	AH	3,258,500	06/66	F.W. Swamer, et al.				
	AI	3,436,430	04/69	L.E. Hall, et al.				
	AJ	3,636,173	01/72	L.E. Gardner				
	AK	3,803,241	04/74	I. Stoltkin, et al.				
	AL	4,158,023	06/79	von Halasz				
	AM	5,043,491	08/91	Webster, et al.				
	AN	5,057,634	10/91	Webster, et al.				
<i>SP</i>	AO	5,068,472	11/91	Webster, et al.				
<i>SP</i>	AP	5,068,473	11/91	Kellner, et al.				
FOREIGN PATENT DOCUMENTS								
Initials		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
<i>SP</i>	AQ	1,162,511	05/91	CA				
	AR	2,081,813	10/92	CA				
	AS	0 349 115 AI	01/90	EP				
	AT	0 434 407 AI	06/91	EP				
	AU	0 442 075 BI	08/93	EP				
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)								
<i>SP</i>	AV		Herbert O. House, "Catalytic Hydrogenation and Dehydrogenation," Modern Synthetic Reactions, 2 nd ed., The Benjamin/Cummings Publishing Company (Menlo Park, CA), p. 15.					
EXAMINER <i>SP</i>				DATE CONSIDERED <i>6/26/06</i>				
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>								

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U.S. PATENT DOCUMENTS							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
<i>[Signature]</i>	AA	5,146,018	09/92	Kellner, et al.	<i>[Signature]</i>	<i>[Signature]</i>	
	AB	5,171,901	12/92	Gassen, et al.			
	AC	5,177,273	01/93	Bruhnke, et al.			
	AD	5,220,083	06/93	Webster, et al.			
	AE	5,268,343	12/93	Hopp, et al.			
	AF	5,364,992	11/94	Manogue, et al.			
	AG	5,430,204	07/95	Manogue, et al.			
	AH	5,446,219	08/95	Manogue, et al.			
	AI	5,621,151	04/97	Manogue			
	AJ	5,621,152	04/97	Jansen, et al.			
	AK	5,723,699	03/98	Miller, et al.			
	AL	5,902,911	05/99	Rao, et al.			
	AM	5,919,994	07/99	Rao			
	AN	6,018,083	01/00	Manogue, et al.			
	AO	6,156,944	12/00	Pham, et al.			
	AP	6,211,135	04/01	Miller, et al.			
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
<i>[Signature]</i>	AQ	0 539 989 AI	05/93	EU			Yes
	AR	91/05752	05/91	WO			No
	AS	96/17813	06/96	WO			
	AT	98/50327	11/98	WO			
	AU	99/26907	06/99	WO			
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
<i>[Signature]</i>	AV		Dmitrii D. Moldavskii, "Technology for the Preparation of Perfluoro-Organic Compounds," <i>Journal of Fluorine Chemistry</i> , Elsevier Science				
			S.A. (Netherlands), Vol. 94 (No. 2), p. 157-167, (February 5, 1999).				
EXAMINER	<i>[Signature]</i>			DATE CONSIDERED		<i>6/26/06</i>	
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U.S. PATENT DOCUMENTS							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA						
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
	AB	99/62851	12/99	WO			Yes
	AC	428,361	09/30	UK			No
	AD	428,445	05/35	UK			
	AE	468,447	08/37	UK			
	AF	790,335	02/58	UK			
	AG	1,077,932	08/67	UK			
	AH	1,359,023	07/74	UK			
	AI	1,578,933	11/80	UK			
	AJ						
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
	AK	J. Kvicala, et al., "Preparation of Perhalogenated Chlorofluoropropanes by Halogen Exchange in the Liquid and Vapour Phases and Their Isomer Analyses by 19F NMR Spectroscopy," <i>Journal of Fluorine Chemistry</i> . Elsevier Sequoia (Netherlands). p. 155-175, (February 5, 1989).					
	AL	F.J. Mettelle, et al., "Methods for the Introductions of Hydrogen Into Fluorinated Compounds," <i>Fluorine Chemistry Reviews</i> , 1 st ed., Vol. 1.. (No. 2), p. 315-358, (February 5, 1967).					
	AM	Dr. Mark D. Cisneros, et al., "An Integrated Approach to Achieve Low Environmental Impact in the Special Hazards Fire Suppression Industry," Great Lakes Chemical Corporation (West Lafayette, Indiana), p. 1-8.					
	AN	Vlacheslav A. Petrov, et al., "Isomerization of Halopolychloroalkanes by the Action of Aluminum Chlorofluoride," <i>Journal of Fluorine Chemistry</i> , Elsevier Science S.A. (Netherlands). p. 125-130, (February 5, 1998).					
	AO	B.P. Aggarwal, et al., "Chlorination of Propane and Propylene and Pyrolysis of Perchloropropene," <i>Petroleum & Hydrocarbons</i> , Vol. 3 (No. 2), p. 69-72, (July 5, 1968).					
	AP	Albert L. Henne, et al., "Fluorinated Derivatives of Propane and Propylene," p. 496-497, (March 5, 1946).					
EXAMINER <i>[Signature]</i>				DATE CONSIDERED			<i>6/28/06</i>
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LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Yuichi Iikubo, et al.				
				PRIORITY FILING DATE 9/28/2001	PRIORITY GROUP 1621			
U.S. PATENT DOCUMENTS								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA							
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation	
	AB						Yes	No
	AC							
	AD							
	AE							
	AF							
	AG							
	AH							
	AI							
	AJ							
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)								
	AK		Kirk-Othmer, "Encyclopedia of Chemical Technology," <i>Catalysis</i> , 3 rd ed., John Wiley & Sons (New York), p. 16-18.					
	AL		Milos Hudlicky, "Chemistry of Organic Fluorine Compounds, A Laboratory Manual with Comprehensive Literature Coverage, 2 nd ed., Ellis Horwood (New York), p. 170-179, (February 8, 1992).					
	AM							
	AN							
	AO							
	AP							
EXAMINER				DATE CONSIDERED <i>6/26/06</i>				
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

Form PTO-1449				U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. PCJ-061	SERIAL NO. 10695,791	
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Yoshi Iihara, et al.				
				FILING DATE 10/31/2003		GROUP Unknown		
U.S. PATENT DOCUMENTS								
*Examiner Initials		Document Number	Date	Name		Class	Subclass	Filing Date If Appropriate
	AA	6,281,395	8/28/2001	Naype et al.				
	AB	6,376,717	4/23/2002	Rao et al.				
	AC							
	AD							
	AB							
	AP							
	AG							
	AR							
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country		Class	Subclass	Translation Yes No
	AN							
	AN							
	AQ							
	AP							
	AQ							
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)								
	AR							
	AS							
	AT							
EXAMINER				DATE CONSIDERED <u>6/26/03</u>				
<small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through claims if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>								

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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. PJS-01	SERIAL NO. 10482721			
LIST OF ART CITED BY APPLICANT (See several sheets if necessary)		APPLICANT Troy Blute, et al.				
		SEARCH DATE 10/1/2003	OBINIP ALL			
U.S. PATENT DOCUMENTS						
Document Number	Patent Number	Date	Name	Class	Journal	Filing Date If Applicable
AA	2,474,024	1/16/1950	Shoaf et al.			
AB						
AC						
AD						
AE						
AF						
AG						
AI						
FOREIGN PATENT DOCUMENTS						
Document Number	Date	Country	Class	Journal	Translation	
AM 972,592	6/1/1962	ITC			Yes	No
AN 90 0 139 YEN HI	4/13/1997	EPO				
AO 09/01/1957	10/24/1959	PT				
AP						
AQ						
OTHER REFERENCES (including Author, Title, Date, Publication Page, etc.)						
AR	"Technology of Parapolyesters" U.S. Pat. No. 3,611,111, filed 10/10/1968, issued 10/11/1971, and 10-19.					
AS						
AT						
EXAMINER		DATE PAKED/FILED	6/26/06			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 600. Draw line through citation if not in conformance and not considered. Make a copy of this form without transmission to applicant.						

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WELLS ST JOHN PS

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Hans PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. PC3-001	SERIAL NO. 10994731			
		LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT Yoshi Kubo et al.				
				FILING DATE October 21, 2004	GROUP (43)			
U.S. PATENT DOCUMENTS								
*Docket Index		Document Number	Date	Name	Class	Subclass	Filing Date If Applicable	
	AM							
	AN							
	AC							
	AU							
	AB							
	AP							
	AS							
	AI							
	N							
	AJ							
	AK							
	AL							
FOREIGN PATENT DOCUMENTS						Translates		
		Document Number	Date	Category	Class	Subclass	Yes	No
<i>gj</i>	AM	PCT/US02/10770	04/17/2002	PCT-International Preliminary Examination Report				
	AN							
	AC							
	AB							
	AP							
	AI							
CITED REFERENCES (Citing Author, Title, Date, Patent No., Etc.)								
	AR							
	AS							
	AT							
EXAMINER <i>gj</i>	DATE CONSIDERED <i>6/26/06</i>							
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with 37 CFR 1.56; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. PC3-061	SERIAL NO. 10/698,731		
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Yuichi Iikubo et al.			
				FILING DATE October 31, 2003	GROUP 1621		
U.S. PATENT DOCUMENTS							
* Examiner Initials		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
<i>[Signature]</i>	AA	4,876,405	0/24/89	Gervasutti	570	156	
<i>[Signature]</i>	AB	5,523,501	06/04/96	Kellner et al.	570	176	
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translates Yes No
<i>[Signature]</i>	AM	698,386	10/14/53	Great Britain			x
<i>[Signature]</i>	AN	PCT/US2004/023917	07/22/04	Int'l Search Report			
<i>[Signature]</i>	AO	PCT/US2004/023917	07/22/04	Written Opinion			
	AP						
	AQ						
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
	AR						
	AS						
EXAMINER <i>[Signature]</i>	DATE CONSIDERED <i>4/26/06</i>						
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Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. PC3-051	SERIAL NO. 10/698,731
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT: Yulchi I kubo, et al			
		FILING DATE October 31, 2003	GROUP 1621		
U.S. PATENT DOCUMENTS					
Examiner's Initials		Document Number	Date	Name	Class
<i>[Signature]</i>	AA	1,132,638	03/1915	Taylor, et al	
	AB	1,926,396	09/1933	T. Midgley, Jr.	
	AC	1,926,396	09/1933	Midgley, Jr.	
	AD	2,021,981	11/1935	Bichowsky	
	AE	2,413,696	01/1947	Downing, et al	
	AF	2,456,028	12/1948	Simons	
	AG	2,519,983	08/1950	Simons	
	AH	3,080,430	03/1963	Cohen	
	AI	3,479,288	11/1969	Gambarello, et al	
	AJ	3,656,553	04/1972	Rainaldi, et al	
	AK	3,715,438	02/1973	Huggett	
	AL	3,822,207	07/1974	Howard, et al	
	AM	3,844,354	10/1974	Larsen	
	AN	4,014,799	03/1977	Owens	
	AO	4,225,404	09/1980	Dietrich, et al	
	AP	4,226,729	10/1980	Kung	
	AQ	4,448,923	05/1984	Martin	
	AR	4,459,213	04/1972	Uchida, et al	
	AS	4,536,298	08/1985	Kamel, et al.	
	AT	4,668,407	05/1987	Gerard, et al	
	AV	4,810,403	03/1989	Blvens, et al	
	AY	4,826,610	05/1989	Thacker	
EXAMINER <i>[Signature]</i>	DATE CONSIDERED <i>6/26/06</i>				
*EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP 608; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. PC3-081	SERIAL NO. 10/698,731	
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT: Yuichi ikubo, et al				
		FILING DATE October 31, 2003		GROUP 1621		
U.S. PATENT DOCUMENTS						
Examiner's initials		Document Number	Date	Name	Class	Subclass
<i>JG</i>	AA	4,851,595	07/1989	Gumprecht		
	AB	4,876,405	10/1989	Gervasutti		
	AC	4,937,398	06/1990	Tung, et al		
	AD	4,845,119	07/1990	Smits, et al		
	AE	4,954,271	09/1990	Green		
	AF	5,040,609	08/1991	Dougherty, et al		
	AG	5,084,190	01/1992	Fernandez		
	AH	5,116,868	05/1992	Dougherty Jr., et al		
	AI	5,141,654	08/1992	Fernandez		
	AJ	5,523,501	06/1996	Kellner, et al.		
	AK	5,562,881	10/1998	Nimitz, et al.		
	AL	5,730,894	03/1998	Minor		
	AM	6,065,547	05/2000	Ellis, et al.		
	AN	6,291,729	09/2001	Rao		
	AO	6,346,203 B1	02/2002	Robin, et al.		
	AP	6,461,530	10/2002	Robin, et al.		
	AQ	6,478,979	11/2002	Rivers, et al.		
	AR	6,763,894	07/2004	Schoenrock		
<i>JG</i>	AS	6,894,194	02/2005	Robin, et al.		
	AT	5,418,248	05/1995	Krepan et al.		
EXAMINER <i>JG</i>	DATE CONSIDERED <i>6/26/06</i>					
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LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT: Yuichikubo, et al						
		FILING DATE October 31, 2003		GROUP 1621				
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation	
Yes	No							
<i>[Signature]</i>	AA	CA 902590A	08/1962	Canada				
	AB	EP 0 039 471 A1	11/1981	Europe				
	AC	EP 0 253 410	01/1998	EPO				
	AD	EP 0 383 443 A2	08/1990	Europe				
	AE	EP 0 434 409 A	06/1991	Europe				
	AF	EP 0 481 618 A1	04/1992	Europe				
	AG	EP 0 570 367 B1	01/1993	Europe				
	AH	RU 2068718 C1	08/1990	Russia				
	AI	1.546,505	09/1970	Germany				
	AJ	WO 91/02584	03/1991	WIPO				
	AK	WO 91/04766	04/1991	PCT				
	AL	WO 91/12853	09/1991	PCT				
	AM	WO 93/24586	12/1993	PCT				
	AN	WO 98/37043	08/1998	PCT				
	AO	WO 98/40834	12/1996	PCT				
	AP	WO 03/029173	04/2003	PCT				
	AQ	898,388	10/1953	UK				
	AR	GB 1,132,638	11/1988	UK				
	AS	JP 51034595	09/1974	Japan				
	AT	JP 57-93070-A	06/1982	Japan				
<i>[Signature]</i>	AV	Laid Open Heli 1-116999	05/1989	Japan				
EXAMINER <i>[Signature]</i>	DATE CONSIDERED <i>6/26/86</i>							
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		FILING DATE October 31, 2003	GROUP 1821		
FOREIGN PATENT DOCUMENTS, CONT.					
<i>[Handwritten signatures]</i>	AA	Sho 50-50884 (Laid Open Sho 51-131100)	04/1975	Japan	
<i>[Handwritten signatures]</i>	AB	Sho 48-19093	03/1973	Japan	
<i>[Handwritten signatures]</i>	AC	Sho 52-25879	07/1977	Japan	
<i>[Handwritten signatures]</i>	AD	Lai Open Hei 4- 96770	03/1982	Japan	
	AE				
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)				
	A	McFarland, Mack, "Chlorofluorocarbons and ozone", 1989, <i>Environ. Sci. Technol.</i> , Vol. 23, No. 10, pp. 1209-1207		
	AB	Malcomb, J.E., "Report 1177 Interim Report Vaporizing Fire Extinguishing Agents", August 1950, <i>Engineer Research and Development Laboratories, Petroleum and Distribution Branch</i> , pp. i-90		
	AC	Wuebbles, Donald J., "The Relative Efficiency of a Number of Halocarbons for Destroying Stratospheric Ozone", January 1981, <i>Lawrence Livermore National Laboratory, University of California</i> , pp. -11		
	AD	Wuebbles, Donald J., "Chlorocarbon Emission Scenarios: Potential Impact on Stratospheric Ozone", February 1983, <i>Journal of Geophysical Research</i> , Vol. 88, No. C2, pp. 1433-1443		
	AE	Molina, et al., "Ultraviolet Absorption Cross Sections of Several Brominated Methanes and Ethanes of Atmospheric Interest", February 1982, <i>J. Phys. Chem.</i> , 1982, 86, 2872-2878		
	AF	The United Nations Environment Program, Montreal Protocol Assessment, Technology Review, "Report of the Halons Technical Options Committee", June 1989, Draft for Peer Review		
	AG	Largen, Eric R., "Halogened Fire Extinguishants: Flame Suppression by a Physical Mechanism?", 1975, <i>Halogens Research Laboratory, The Dow Chemical Corporation, Midland, Michigan</i> , pp. 376-4C2		
	AH	Belles, Frank E., "Chemical Action of Halogenated Agents in Fire Extinguishing", 1954, <i>National Advisory Committee for Aeronautics</i> , Technical Note 3565, pp. 1-30		
	AI	Kauschka, Von Gunther, et al., "Calculation of thermodynamic substance data and reaction balance with poly- and perhalogen hydrocarbons", October 1976, <i>Chemistry Section of the Humboldt University in Berlin</i> , Vol. 10, pp. 1-22 (translated)		
	AJ	Moore, Jeanne P., et al., "Halon Alternatives Extinguishment Testing", 1989, <i>Center for Technologies to Protect Stratospheric Ozone, New Mexico Engineering Institute, University of New Mexico, Albuquerque, New Mexico</i> , presented at the International Conference on CFC & Halon Alternatives, October 10-11, 1989, Washington, D.C., pp. 1-8		
	AK	Smart, B.E., "Fluorocarbons", 1983, <i>The Chemistry of Functional Groups, Supplement D, Chapter 14</i> , pp. 603-655		
	AL	Chemical Encyclopedia, "Bolsheaya Rossiyskaya Entsiklopediya" Moscow, 1992, Scientific Publishing House, Vol. 3, Med-Pol		
	AM	The United Nations Environment Program, Montreal Protocol Assessment, Technology Review, "Final Report of the Halons - Technical Options Committee", August 1989		
	AN	Reid, Robert C., "The properties of gases and liquids", 1987, pp. 153-157		
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EXAMINER	DATE CONSIDERED <i>6/26/06</i>			
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LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT: Yuichi ikubo, et al		
		FILING DATE October 31, 2003	GROUP 1621	
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)				
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